

ABSTRACT

In an anodized electrode which comprises a substrate, a vacuum deposited porous coating thereon comprising at least one substance selected from valve metals, valve metal oxides and mixtures thereof, and at least one electrolytically produced anodized layer selected from valve metal oxides and mixtures thereof, the effective surface area is increased prior to deposition of the at least one anodized layer, e.g. by oxidizing the surface of the porous layer and removing thus formed oxide, and/or by roughening the surface of substrate mechanically, chemically and/or electrochemically, prior to vapor deposition.